Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of culverts ravindra nagara 2nd main road in Shettyhalli Sub Division in ward no.13

Est .Cost Rs. 9.99 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2010-11	Cum							
	Culverts		8	7.70	2.00	1.20	147.84		
			6	6.84	2.00	1.20	98.50		
							246.34	129.60	**31925**
	Basic Rate	120.00							
	Area Weightage 8%	9.60							
		129.60							
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.3/ PWD SR 2010-11	Cum							
	Culverts		8	7.70	1.80	0.15	16.63		
			6	6.84	1.80	0.15	11.08		
							27.71	3349.08	**92812**
	Basic Rate	3,101.00							
	Area Weightage 8%	248.08							
		3,349.08							
3	KSRB 5.3-3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 22/ Item No. 5.9/ PWD SR 2010-11	Cum							
	Culverts		8x2	7.70	0.60	0.90	66.53		
			6x2	6.84	0.60	0.90	44.32		
							110.85	3015.36	**334256**
	Basic Rate	2,792.00							
	Area Weightage 8%	223.36							
		3,015.36							

4	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.6/ PWD SR 2010-11	Cum							
	Culverts		8x2	7.70	0.60	0.10	7.39		
			6x2	6.84	0.60	0.10	4.92		
							12.32	4388.04	**54047**
	Basic Rate	4063.00							
	Area Weightage 8%	325.04							
		4,388.04							
5	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 97/ Item No. 15.1 / PWD SR 2010-11	Cum							
	Culverts		8x2	7.70		0.90	110.88		
			6x2	6.84		0.90	73.87		
							184.75	66.42	**12271**
	Basic Rate	61.50							
	Area Weightage 8%	4.92							
		66.42							
6	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Page No. 17/ Item No. 4.48.1/ PWD SR 2010-11	Cum							
	Culverts		8	7.70	1.80	0.23	25.50		
			6	6.84	1.80	0.23	16.99		
							42.49	4491.72	**190866**
	Basic Rate	4,159.00							
	Area Weightage 8%	332.72							
		4,491.72							
7	KSRB 4.9.2: providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 16/ Item No. 4.46/ PWD SR 2010-11	Q							
							50.99	5204.52	**265387**

	Basic Rate	4,819.00							
	Area Weightage 8%	385.52							
		5,204.52							
8	Conveying the excavaed earth to a distance of 2kms with all lead & lifts including loading & unloading charges etc., complete. Page No. 124/ PWD SR 2010-11	Cum							
	Qty Vide Item No=1						246.34		
	Qty Limited to						**232.00**	72.71	**16868**
	Basic Rate	67.32							
	Area Weightage 8%	5.39							
		72.71							
9	Miscellaneous and unforseen Charges								**568**
								Total	**999000**
(Rupees Nine Lakhs NinetyNine Thousand Only)									

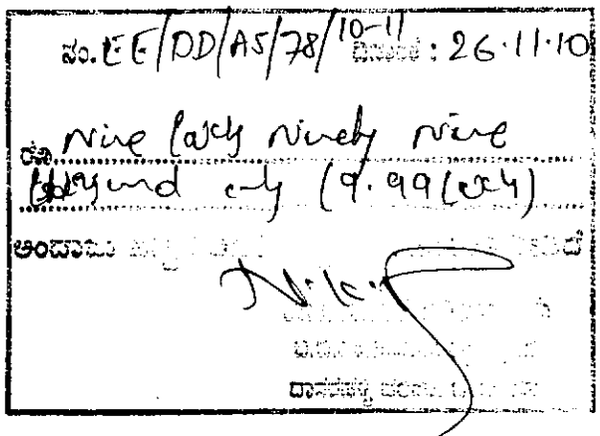
CERTIFICATE

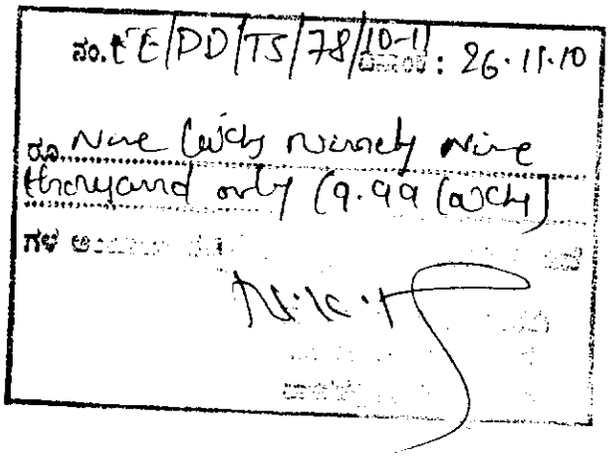
1 The Work spot has been inspected and the work found to be necessary
2 The Estimaate is prepared as per the PWD SR 2010-11
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Shettyhalli Sub-Division

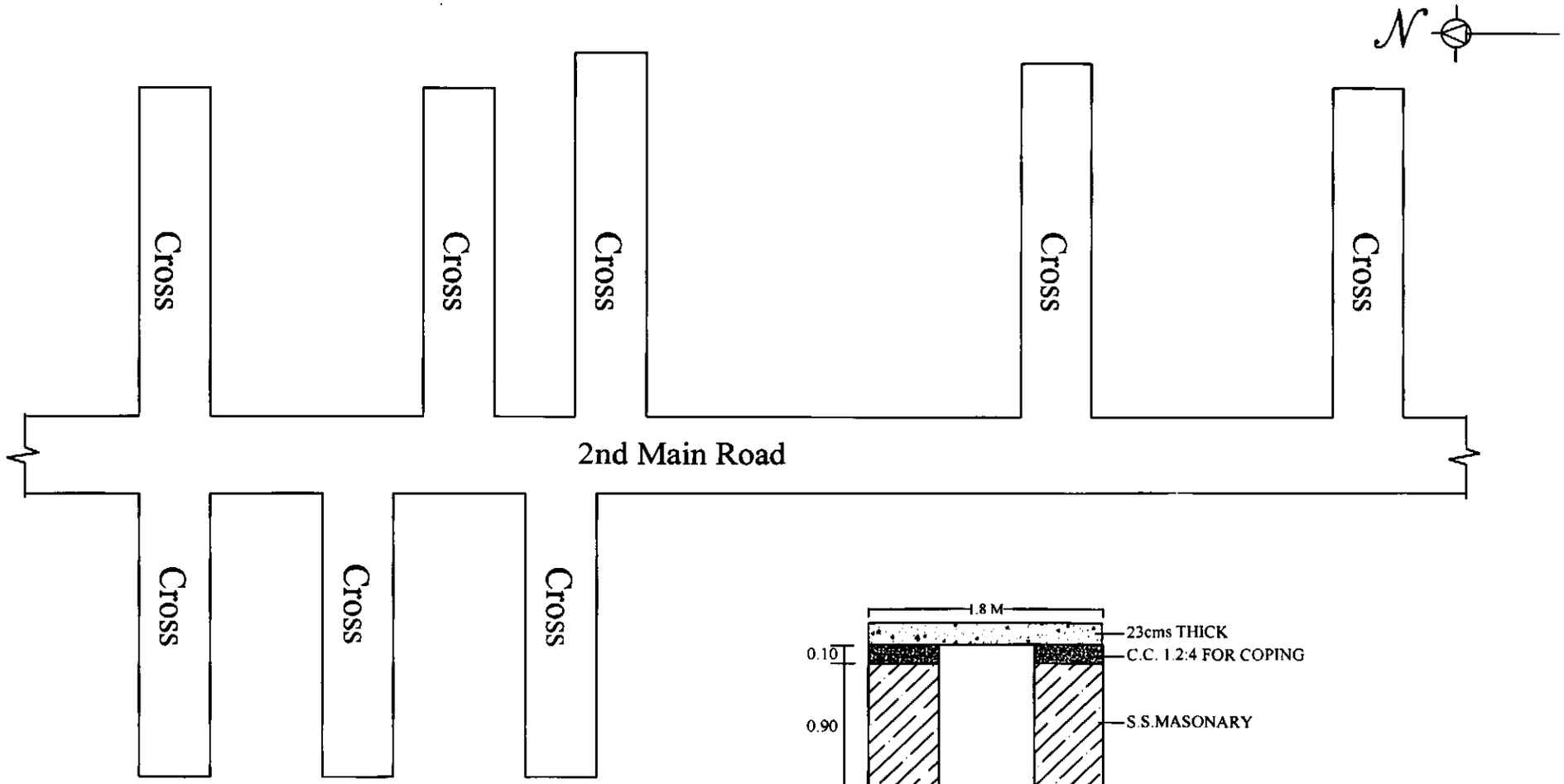
Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

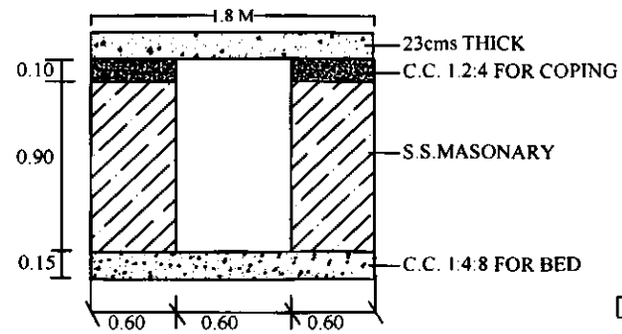
Executive Engineer
Dasarahalli Division
BBMP





Sketch Showing : Detailed Estimated for Construction of culverts ravindra nagara 2nd main road in Shettyhalli Sub Division in ward no.13





CROSS SECTION OF CULVERT

INDEX

Culverts

ASST. ENGINEER
SHETTYHALLI SUB DIVISION

ASST. EXE. ENGINEER
SHETTYHALLI SUB DIVISION
B B M P